

## AMENDMENTS TO THE SPECIFICATION

Applicant elects Group I containing claims 1-42 drawn to methods for identifying ion channel modulators and membrane receptor modulators. In view of applicant's election please cancel the remaining claims of the specification, specifically claims 43 through 52.

In addition, the Examiner has requested that if Applicant elects Group I that Applicant further elect:

1. a single invention which is drawn to either a type of target or a type of membrane receptor to which the claims will be restricted;
2. either removal or inhibition of a repressor as a method for promoter induction;
3. an inducible promoter (for example choose one from claim 20);
4. an ion channel (for example choose one from claim 22); and
5. whether the receptor target reads on claims 41 and 42 (for example choose one from claim 32).

In view of the Examiner's request Applicant elects Group I having a target type being a protein and more specifically an ion channel protein (Page 5, paragraph 0021, lines 8-10), wherein the induction of the inducible promoter is contacting the cell with an inducer molecule (Page 5, paragraph 0021, lines 5-6), wherein the inducible promoter is a tetracycline regulated promoter (Page 130 claim 20, line 7), wherein the ion channel target is a potassium ion channel and more particularly a voltage-gated potassium ion channel (Page 130, claim 22, line 3-4), and if the target is a receptor protein it is preferably 5HT4 receptor (Page 132, claim 32, line 20).

Applicant notes that the Examiner has requested that they select either removal or inhibition of a repressor as a method of promoter induction. The Examiner is directed to page 5 paragraph 0021 lines 8-10, which more particularly identifies the three preferred methods for promoter induction. These include induction by introduction of an inducer molecule, removal of a repressor or inhibition of a repressor. Applicant has elected induction by introduction of an inducer molecule. Such as by introduction of tetracycline to induce a tetracycline regulated promoter which conforms functionally with the promoter specifically elected in this restriction requirement.

Applicant has complied with the Examiner's request to elect a single disclosed species and has followed the Examiner's explicit direction in providing the information necessary to accomplish the species election. Therefore, Applicant respectfully requests that the Examiner accept the election of Group I for prosecution of this application on the merits.